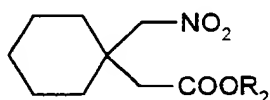


Claims:

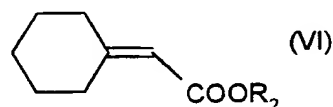
1. Process for the synthesis of 1-(aminomethyl)cyclohexyl-acetic acid
5 acid and pharmaceutically acceptable salt thereof characterised by

a) transformation of the alkyl ester of cyclohexylidene-acetic acid of formula (VI) — wherein R_2 represents C_1 - C_4 alkyl group — into the alkyl ester of 1-(nitromethyl)cyclohexyl-acetic acid of formula (V) — wherein the meaning of R_2 is as defined above — with nitromethane in the presence of
10 a base, hydrolysis with aqueous methanolic solution of potassium hydroxide and hydrogenation of the obtained 1-(nitromethyl)cyclohexyl-acetic acid of formula (IIa) in the presence of a catalyst and in given case transformation of the obtained compound into a pharmaceutically acceptable salt or

15



(V)



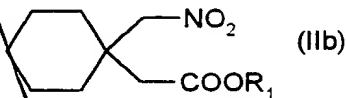
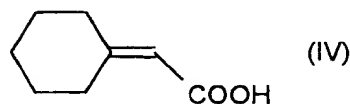
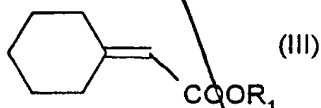
(VI)



(IIa)

b) hydrolysis of the alkyl ester of cyclohexylidene-acetic acid of formula (VI) — wherein R_2 represents C_1 - C_4 alkyl group — into the cyclohexylidene-acetic acid of formula (IV) with aqueous methanolic
20 solution of potassium hydroxide, reaction of the obtained acid of formula (IV) with a reagent of formula R_1 -X — wherein R_1 represents benzyl group, diphenylmethyl group or in given case C_1 - C_4 alkyl or alkoxy aromatic ring substituted derivatives thereof and X represents halogen atom — to give the intermediar cyclohexylidene acid derivative of formula (III) — wherein
25 the meaning of R_1 is as defined above — transformation of this intermediar into the 1-(nitromethyl)cyclohexyl-acetic acid derivative of formula (IIb) — wherein the meaning of R_1 is as defined above — and

hydrogenation of the latter in a solvent in the presence of a catalyst and in given case transformation of the obtained compound into a pharmaceutically acceptable salt.



5

2. Process b) of claim 1 characterised by using benzyl halide as reagent of formula R_1-X .

3. Process b) of claim 1 characterised by using diphenylmethyl halide as reagent of formula R_1-X .

A 10

4. The process of claim 1 characterised by carrying out the hydrogenation in an inert organic solvent.

A

5. The process of claim 1 characterised by using palladium on activated carbon as catalyst.

15 6. The new compounds of formula (II), wherein R represents hydrogen, benzyl, diphenylmethyl group or in given case C_1-C_4 alkyl or alkoxy aromatic ring substituted derivatives thereof.

7. 1-(nitromethyl)cyclohexyl-acetic acid

8. benzyl 1-(nitromethyl)cyclohexyl-acetate

9. diphenylmethyl 1-(nitromethyl)cyclohexyl-acetate

20

Add
B₁

Add
C₂